Kimseed International Pty Ltd
ACN 108 508 336 ABN 37 108 508 336
42 Sarich Ct Osborne Park 6017
Tel: 61-8-94464377 Fax: 61-8-94463444
Western Australia www.kimseed.com.au
Email: kimseed@kimseed.com.au

DISC REVEGETATION SEEDER

Operators Manual

KIMSEED

SPECIFICATIONS

Power Requirement 60 kw/90Hp

No. of Rows	Double Disc 2 rows 1 metre apart
Type of Disc	Special 600mm (24")
Working Speed	Up to 10km /hr
Hopper Capacity Seed	40 litres
Working width	1900mm (75 in)
Tyres	750 x 16 (6 PLY)
Power Pack:	12 Volt – Single Acting Hydraulic Ram

Pitting Details

Up to 2 rows 1 metre (39 inches apart)

Length of pit	1 metre (39inches)
Length of non pit	1 metre
Width of pit	up to 200mm (8inches)
Depth of pit	up to 100mm (4inches)
Width of cut	up to 2 metres (78inches)

Shipping Details

Approximate Weight	Double 550Kg (1100lb)
Dimensions, Fully assembled	L3.5m x W1.9m x H1.2m
Dimensions, crated O. Dim	L2.7m x W1.3m x H1.1m
Dimensions, semi assembled	L3.3m x W1.85mxH0.65m

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ASSEMBLING INSTRUCTIONS

Position of Seed Boxes in the “A” Frame

Install seed Boxes to “A” Frame using the 4 mounting bolts. Tighten firmly.

Bolt mounting bearings to the bottom of seed box frame with spacer on the outside of frame.

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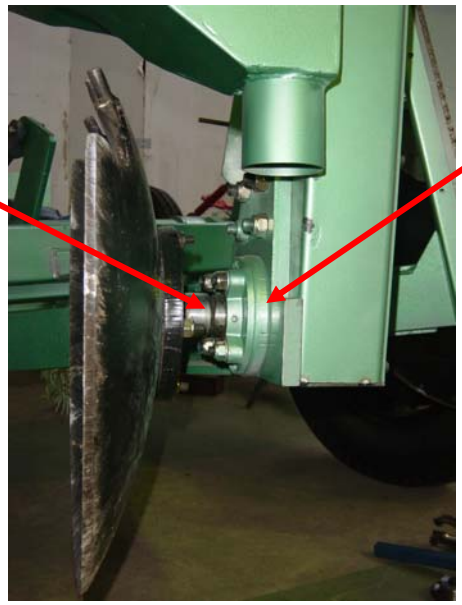
Insert collar to Disc Axle and Axle to bearings. Second collar is then inserted on the inside side of frame. Secure with grub screws onto place.

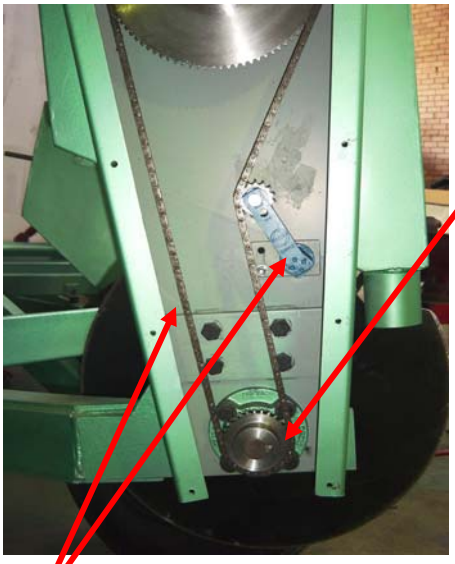
Collar



Spacer

PLEASE NOTE: **LOCTITE OR SIMILAR THREAD LOCKING PRODUCT SHOULD BE APPLIED TO ALL GRUB SCREWS**

Install Small Gear to axle, insert key and secure with grub screws.



Install Chain Tensioner and Chain.

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GEAR TIMING:

Gear Ratio is 3:1 **Seed Drums are supplied with a positioning weight.**

Install indicator as shown, with seed drum in place. Weight should be at the bottom

Tighten Grub Screws

With Seed Drum in its right place, move disc so that spikes are pointing some 20 degrees backwards and set chain onto cog gears. Place chain tensioner.

Rotate Disc a number of times and check that Seed Drum Pointer stops on the Upright Position and spikes are also pointing upwards.
Once everything is checked and in place, lubricate bearings with a good quality EP Grease and lubricate chain with a small amount of light industrial oil.
Bolt on the gear cover.

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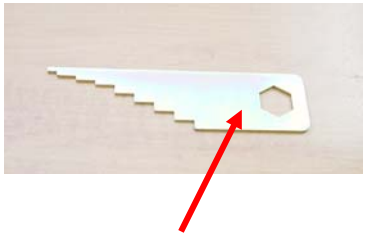
SEED METERING

Seed is metered by sliding the port gates into a small port position. Desired position is then lock by tightening Allen Screws

There are 4 Seed Distribution Outlets and they should be set or adjusted evenly so that they dispense equal quantities of seeds.



Use the Seed Adjusting tool provided.

Place tool on the ports and open or close based on seed size. Use Allen Key-Wrench to tighten in place.

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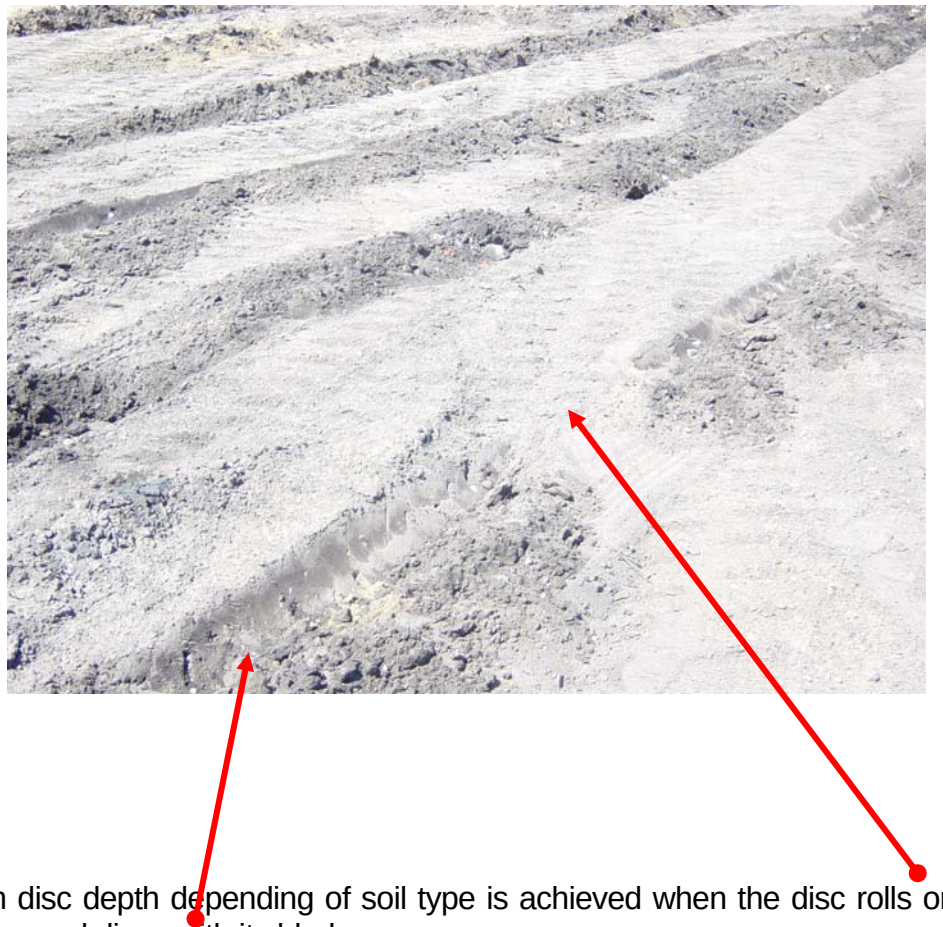
OPERATION

- Once in the area to be pitted and seeded:
- Plug Battery cables to Battery
- Lower the Pitter so that it makes full contact with the ground. Using the Hydraulic System continue to operate until the tyres are about 75mm(3 inches) off the ground.
- Drive implement for 10 metres and check operation and disc penetration. Adjust Hydraulic settings to achieve desired Pitting.



- Optimum disc depth depending of soil type is achieved when the disc rolls on the spikes or spoke pins and digs with its blade.
- With disc depth set, drive for 30 metres at around 8kph (5 mph) with seed in the bins. Check that the amount of seed is the desired quantity, if not, increase or decrease the opening of the seed openings.

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CAUTION:

DO NOT DRIVE THE PITTER AT SPEEDS HIGHER THAN 10 KMH THE MAY RESULT IN DAMAGE TO THE DRIVE CHAIN

Before each season, check all bolts and nuts for tightness.

LUBRICATION: Lubricate chain with light industrial oil.
Lubricate all bearings with a good quality EP (Extreme Pressure) Grease

STORAGE

At the end of the season, the seeder should be store preferably under cover.
It should be cleaned thoroughly, completely removing all seed and fertiliser from the Seed Drums and Hoppers.
These components should be Rust Protected using a light oil.
Lubricate all bearings and chain.
Touch-up paint as required.

SAFETY: Do not work on implement when in motion
Do not work under the equipment unless is adequately supported on blocks.